

BEFORE THE UNITED STATES PATENT AND TRADEMARK OFFICE

#1/A

Int'l. Appln. No.: PCT/CA00/00981
Filed: August 25, 2000
Priority: Canadian Patent Appln. 2,280,966
filed August 26, 1999
United States Pat. Appln. 09/505,732
filed Feb.17/00
Title: ELECTRIC FIELD SENSOR
Inventors: (1) Riccardo Brun del Re
(2) Izmail Batkin
(3) Wayne Young

February 16, 2002

The Commissioner of Patents and Trademarks,
Washington, D.C. 20231.

Preliminary Amendment

Please cancel claims 1 through 21 presently on file in
the International Appln. PCT/CA00/00981 and substitute therefor
new claims 22 through 41 as follows:

- Sub 1
22. An electric potential sensor for detecting an
electrical potential difference present over a source surface
comprising:
- AI
- (1) a voltage divider network including at one end a pick-up electrode with a face surface having an insulating layer positioned adjacent to said face surface for placement next to a source surface whose electrical field is to be sensed through capacitive coupling
 - (2) an electrical coupling at the other end of the voltage divider network for connection to another portion of the source surface over which an electrical potential difference exists; and
 - (3) voltage sensing means for providing a voltage output, said voltage sensing means having an input capacitance